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<110> Walker, Michael G.
      Volkmuth, Wayne
      Klingler, Tod M.

<120> POLYNUCLEOTIDES COEXPRESSED WITH MATRIX-REMODELING GENES

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<212> DNA
<213> Homo sapiens

<220> -
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9

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

<220> -
<223> 2268890CB1

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11

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<211> 3304
<212> DNA
<213> Homo sapiens

<220> -
<223> 2305981CB1

<400> 12
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<213> Homo sapiens

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<223> 2457612CB1

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<211> 2040
<212> DNA
<213> Homo sapiens
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13

<220> -
<223> 2814981CB1

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<210> 15
<211> 2121
<212> DNA
<213> Homo sapiens

<220> -
<223> 3089150CB1

<400> 15
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14

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<211> 2900
<212> DNA
<213> Homo sapiens

<220> -
<223> 3206667CB1

<400> 16
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16

<213> Homo sapiens

<220> -
<223> 3284695CB1

<400> 17
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<210> 18
<211> 2929
<212> DNA
<213> Homo sapiens

<220> -
<223> 3481610CB1

<400> 18
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<212> DNA
<213> Homo sapiens

<220> -
<223> 3722004CB1

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PB-0004 CIP

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<213> Homo sapiens

<220> -
<223> 3948614CB1

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<210> 21
<211> 551
<212> PRT
<213> Homo sapiens

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<220> -
<223> 627722CD1

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Ile Glu Glu Asp Lys Leu Lys His Gln His Leu Lys Lys Lys Ala
                35   40   45
Leu Arg Glu Lys Trp Leu Leu Asp Gly Ile Ser Ser Gly Lys Glu
                50   55   60
Gln Glu Glu Met Lys Lys Gln Asn Gln Gln Asp Gln His Gln Ile
                65   70   75
Gln Val Leu Glu Gln Ser Ile Leu Arg Leu Glu Lys Glu Ile Gln
                80   85   90
Asp Leu Glu Lys Ala Glu Leu Gln Ile Ser Thr Lys Glu Glu Ala
                95   100   105
Ile Leu Lys Lys Leu Lys Ser Ile Glu Arg Thr Thr Glu Asp Ile
                110   115   120
Ile Arg Ser Val Lys Val Glu Arg Glu Glu Arg Ala Glu Glu Ser
                125   130   135
Ile Glu Asp Ile Tyr Ala Asn Ile Pro Asp Leu Pro Lys Ser Tyr
                140   145   150
Ile Pro Ser Arg Leu Arg Lys Glu Ile Asn Glu Glu Lys Glu Asp
                155   160   165
Asp Glu Gln Asn Arg Lys Ala Leu Tyr Ala Met Glu Ile Lys Val
                170   175   180
Glu Lys Asp Leu Lys Thr Gly Glu Ser Thr Val Leu Ser Ser Ile
                185   190   195
Pro Leu Pro Ser Asp Asp Phe Lys Gly Thr Gly Ile Lys Val Tyr
                200   205   210
Asp Asp Gly Gln Lys Ser Val Tyr Ala Val Ser Ser Asn His Ser
                215   220   225
Ala Ala Tyr Asn Gly Thr Asp Gly Leu Ala Pro Val Glu Val Glu
                230   235   240
Glu Leu Leu Arg Gln Ala Ser Glu Arg Asn Ser Lys Ser Pro Thr
                245   250   255
Glu Tyr His Glu Pro Val Tyr Ala Asn Pro Phe Tyr Arg Pro Thr
                260   265   270
Thr Pro Gln Arg Glu Thr Val Thr Pro Gly Pro Asn Phe Gln Glu
                275   280   285
Arg Ile Lys Ile Lys Thr Asn Gly Leu Gly Ile Gly Val Asn Glu
                290   295   300
Ser Ile His Asn Met Gly Asn Gly Leu Ser Glu Glu Arg Gly Asn
                305   310   315
Asn Phe Asn His Ile Ser Pro Ile Pro Pro Val Pro His Pro Arg
                320   325   330
Ser Val Ile Gln Gln Ala Glu Glu Lys Leu His Thr Pro Gln Lys
                335   340   345

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Arg Leu Met Thr Pro Trp Glu Glu Ser Asn Val Met Gln Asp Lys
            350                 355                 360
Asp Ala Pro Ser Pro Lys Pro Arg Leu Ser Pro Arg Glu Thr Ile
            365                 370                 375
Phe Gly Lys Ser Glu His Gln Asn Ser Ser Pro Thr Cys Gln Glu
            380                 385                 390
Asp Glu Glu Asp Val Arg Tyr Asn Ile Val His Ser Leu Pro Pro
            395                 400                 405
Asp Ile Asn Asp Thr Glu Pro Val Thr Met Ile Phe Met Gly Tyr
            410                 415                 420
Gln Gln Ala Glu Asp Ser Glu Glu Asp Lys Lys Phe Leu Thr Gly
            425                 430                 435
Tyr Asp Gly Ile Ile His Ala Glu Leu Val Val Ile Asp Asp Glu
            440                 445                 450
Glu Glu Glu Asp Glu Gly Glu Ala Glu Lys Pro Ser Tyr His Pro
            455                 460                 465
Ile Ala Pro His Ser Gln Val Tyr Gln Pro Ala Lys Pro Thr Pro
            470                 475                 480
Leu Pro Arg Lys Arg Ser Glu Ala Ser Pro His Glu Asn Thr Asn
            485                 490                 495
His Lys Ser Pro His Lys Asn Ser Ile Ser Leu Lys Glu Gln Glu
            500                 505                 510
Glu Ser Leu Gly Ser Pro Val His His Ser Pro Phe Asp Ala Gln
            515                 520                 525
Thr Thr Gly Asp Gly Thr Glu Asp Pro Ser Leu Thr Ala Leu Arg
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Met Arg Met Ala Lys Leu Gly Lys Lys Val Ile
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<211> 99
<212> PRT
<213> Homo sapiens

<220> -
<223> 1556751CD1

<400> 22
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                20                  25                  30
Val Pro Ala Ala Arg Pro Gln Thr Met Val Thr Gly Pro Ser Cys
                35                  40                  45
Ser Ser Pro Gly Leu Gln Asn Phe Ser Pro Gln Arg Lys Glu Asn
                50                  55                  60
Arg Ala Cys Ala Cys Trp Gln Asn Ala Gly Pro Ala Pro Lys Asn
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                     65                        70                         75
Pro Met Cys Val Arg Leu Lys Val Gly Arg Pro Gln Ala Ser Gln
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Arg Lys Leu Lys Glu Thr Gly Leu Cys
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<210> 23
<211> 493
<212> PRT
<213> Homo sapiens

<220> -
<223> 2268890CD1

<400> 23
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                 20                        25                         30
Glu Glu Gly Ser Pro Arg Glu Phe Ile Tyr Leu Asn Arg Tyr Lys
                 35                        40                         45
Arg Ala Gly Glu Ser Gln Asp Lys Cys Thr Tyr Thr Phe Ile Val
                 50                        55                         60
Pro Gln Gln Arg Val Thr Gly Ala Ile Cys Val Asn Ser Lys Glu
                 65                        70                         75
Pro Glu Val Leu Leu Glu Asn Arg Val His Lys Gln Glu Leu Glu
                 80                        85                         90
Leu Leu Asn Asn Glu Leu Leu Lys Gln Lys Arg Gln Ile Glu Thr
                 95                       100                        105
Leu Gln Gln Leu Val Glu Val Asp Gly Gly Ile Val Ser Glu Val
                110                       115                        120
Lys Leu Leu Arg Lys Glu Ser Arg Asn Met Asn Ser Arg Val Thr
                125                       130                        135
Gln Leu Tyr Met Gln Leu Leu His Glu Ile Ile Arg Lys Arg Asp
                140                       145                        150
Asn Ala Leu Glu Leu Ser Gln Leu Glu Asn Arg Ile Leu Asn Gln
                155                       160                        165
Thr Ala Asp Met Leu Gln Leu Ala Ser Lys Tyr Lys Asp Leu Glu
                170                       175                        180
His Lys Tyr Gln His Leu Ala Thr Leu Ala His Asn Gln Ser Glu
                185                       190                        195
Ile Ile Ala Gln Leu Glu Glu His Cys Gln Arg Val Pro Ser Ala
                200                       205                        210
Arg Pro Val Pro Gln Pro Pro Ala Ala Pro Pro Arg Val Tyr
                215                       220                        225
Gln Pro Pro Thr Tyr Asn Arg Ile Ile Asn Gln Ile Ser Thr Asn
                230                       235                        240
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Glu Ile Gln Ser Asp Gln Asn Leu Lys Val Leu Pro Pro Pro Leu
            245                 250                 255
Pro Thr Met Pro Thr Leu Thr Ser Leu Pro Ser Ser Thr Asp Lys
            260                 265                 270
Pro Ser Gly Pro Trp Arg Asp Cys Leu Gln Ala Leu Glu Asp Gly
            275                 280                 285
His Asp Thr Ser Ser Ile Tyr Leu Val Lys Pro Glu Asn Thr Asn
            290                 295                 300
Arg Leu Met Gln Val Trp Cys Asp Gln Arg His Asp Pro Gly Gly
            305                 310                 315
Trp Thr Val Ile Gln Arg Arg Leu Asp Gly Ser Val Asn Phe Phe
            320                 325                 330
Arg Asn Trp Glu Thr Tyr Lys Gln Gly Phe Gly Asn Ile Asp Gly
            335                 340                 345
Glu Tyr Trp Leu Gly Leu Glu Asn Ile Tyr Trp Leu Thr Asn Gln
            350                 355                 360
Gly Asn Tyr Lys Leu Leu Val Thr Met Glu Asp Trp Ser Gly Arg
            365                 370                 375
Lys Val Phe Ala Glu Tyr Ala Ser Phe Arg Leu Glu Pro Glu Ser
            380                 385                 390
Glu Tyr Tyr Lys Leu Arg Leu Gly Arg Tyr His Gly Asn Ala Gly
            395                 400                 405
Asp Ser Phe Thr Trp His Asn Gly Lys Gln Phe Thr Thr Leu Asp
            410                 415                 420
Arg Asp His Asp Val Tyr Thr Gly Asn Cys Ala His Tyr Gln Lys
            425                 430                 435
Gly Gly Trp Trp Tyr Asn Ala Cys Ala His Ser Asn Leu Asn Gly
            440                 445                 450
Val Trp Tyr Arg Gly Gly His Tyr Arg Ser Arg Tyr Gln Asp Gly
            455                 460                 465
Val Tyr Trp Ala Glu Phe Arg Gly Gly Ser Tyr Ser Leu Lys Lys
            470                 475                 480
Val Val Met Met Ile Arg Pro Asn Pro Asn Thr Phe His
            485                 490
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